

## AMENDMENT

### **In The Claims:**

Please amend claims 1, 3 – 6, 9 – 13, 18, 19 and 21 – 23 as shown in the complete list of claims below.

1. (Currently Amended) A pressure vessel for curing, in the field, a repair to a component made of composite materials, the vessel comprising:
  - a body having a chamber operable to receive the repair to the component;  
~~site element;~~
  - a portal operable to permit a heating element of a heater located inside the chamber to be coupled with a power source located outside the chamber  
~~that provides power to power the heating element;~~ and
  - a pump operable to pressurize the chamber.
2. (Original) The vessel of claim 1 wherein the pump is operable to generate at least one of the following pressures: 60 psi, less than 60 psi, and more than 60 psi.
3. (Currently Amended) The vessel of claim 1 wherein the chamber is operable to receive the component ~~site element~~ that has the repair.
4. (Currently Amended) The vessel of claim 1 wherein the chamber is substantially cylindrical ~~shaped like a cylinder~~.
5. (Currently Amended) The vessel of claim 1 wherein the chamber is substantially cylindrical ~~shaped like a cylinder~~ and includes a chamber diameter of about substantially equal to 20 inches.
6. (Currently Amended) The vessel of claim 1 wherein the chamber is substantially cylindrical ~~shaped like a cylinder~~ and includes a chamber diameter of about substantially equal to 20 inches and a chamber length of about substantially

equal to 60 inches.

7. (Original) The vessel of claim 1 wherein the portal includes an interface operable to releasably couple the heating element with the power source.
8. (Original) The vessel of claim 7 wherein the interface is removable from the portal and replaceable with a different interface.
9. (Currently Amended) The vessel of claim 7 wherein the interface is operable to releasably couple the heating element with a control unit of the heater that is located outside the chamber and operable to modify the amount of heat generated by the heating element.
10. (Currently Amended) The vessel of claim 1 wherein the vessel further comprises includes:
  - a first portal operable to permit the heating element to be coupled with the power source;
  - a second portal operable to permit a temperature sensor of the heater located inside in the chamber to be coupled with a control unit of the heater that is located outside the chamber and operable to modify the amount of heat generated by the heating element; and
  - a third portal operable to permit another temperature sensor of the heater located inside in the chamber to be coupled with the control unit.
11. (Currently Amended) The vessel of claim 1 further comprising an entry operable to permit the insertion of the repair to the composite element into the chamber and the removal of the repair to the composite element from the chamber.
12. (Currently Amended) The vessel of claim 11 wherein the entry includes a door hingedly coupled with the body and operable to close the entry while the repair cures, ~~to maintain the pressure in the chamber.~~
13. (Currently Amended) A system for curing, in the field, a repair to a component made of composite materials, the system comprising:

a heater including a heating element operable to heat the repair to the composite element to a cure temperature; and

a pressure vessel including:

a body defining a chamber operable to receive the repair and the heating element; ~~to the composite element~~;

a portal operable to permit the heating element of the heater that is ~~located inside the chamber~~ to be coupled with a power source located outside the chamber that provides power to power the heating element; and

a pump operable to pressurize the chamber.

14. (Original) The system of claim 13 wherein:

the heater includes a control unit located outside the chamber and operable to modify the amount of heat generated by the heating element; and

the portal is operable to permit the heating element to be coupled with the control unit.

15. (Original) The system of claim 13 wherein:

the heater includes at least two temperature sensors located in the chamber, and a control unit located outside the chamber that is operable to monitor the temperatures of the sensors and modify the amount of heat generated by the heating element according to the temperatures of the sensors; and

the portal is operable to permit the temperature sensors to be coupled with the control unit.

16. (Original) The system of claim 13 wherein:

the heater includes at least two temperature sensors located in the chamber, and a control unit located outside the chamber that is operable to monitor the temperatures of the sensors and modify the amount of heat generated by the heating element according to the temperatures of the sensors; and

the vessel includes:

a first portal operable to permit the heating element to be coupled with the power source,

a second portal operable to permit a temperature sensor to be coupled with the control unit,

a third portal operable to permit another temperature sensor to be coupled with the control unit.

17. (Original) The system of claim 13 wherein the pump is located outside the chamber.
18. (Currently Amended) A method for curing, in the field, a repair to a component made of composite materials, the method comprising:
  - inserting the repair to the composite element into a chamber of a pressure vessel;
  - locating a heating element of a heater inside the chamber;
  - pressurizing the chamber to cure the repair to the composite element; and
  - heating the repair with the heating element to a cure temperature to cure the repair.
19. (Currently Amended) The method of claim 18 wherein inserting the repair to the composite element into the chamber of the pressure vessel includes inserting all of the component site element into the chamber of the pressure vessel.
20. (Original) The method of claim 18 wherein pressurizing the chamber includes injecting air into the chamber.
21. (Currently Amended) The method of claim 18 wherein locating the heating element inside the chamber includes coupling the heating element with the repair to the composite element.
22. (Currently Amended) The method of claim 18 wherein heating the repair to the composite element includes powering a heating n-electric blanket.

23. (Currently Amended) The method of claim 18 further comprising:
- locating a control unit of the heater outside the chamber, and
- coupling the heating element with the control unit through a portal of the pressure vessel.
24. (Original) The method of claim 18 further comprising reducing the pressure in the chamber.